

FCC PART 15.247 TEST REPORT

For

CLC HONG KONG LIMITED

1011A, 10/F., Harbour Centre Tower 1, No.1 Hok Cheung St., Hung Hom, Kowloon, HongKong

FCC ID: 2AG4WZ710

Report Type: Product Type: Original Report Optimax 8.0 Rucky xiao Test Engineer: Rocky Xiao Report Number: RDG160503006-00A **Report Date:** 2016-06-01 Jerry Zhang Jerry Zhang **EMC Manager Reviewed By: Test Laboratory:** Bay Area Compliance Laboratories Corp. (Dongguan) No.69 Pulongcun, Puxinhu Industrial Zone, Tangxia, Dongguan, Guangdong, China Tel: +86-769-86858888 Fax: +86-769-86858891 www.baclcorp.com.cn

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Dongguan).

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The *CLC HONG KONG LIMITED*'s product, model number: *Z710 (FCC ID: 2AG4WZ710)* (the "EUT") in this report was a *Optimax 8.0*, which was measured approximately: 21.0 cm (L) x 12.0 cm (W) x 0.8 cm (H), rated input voltage: DC3.7V rechargeable Li-ion battery or DC5V charging from adapter.

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Adapter Information : MODEL : PMC44

INPUT: AC 100-240V 50/60Hz 0.2A

OUTPUT: DC5V, 1.5A

All measurement and test data in this report was gathered from production sample serial number: 160503006 (Assigned by BACL, Dongguan). The EUT was received on 2016-05-04.

Objective

This report is prepared on behalf of *CLC HONG KONG LIMITED* . in accordance with Part 2, Subpart J, Part 15, Subparts A, B and C of the Federal Communications Commission's rules

The tests were performed in order to determine the compliance of the EUT with FCC Part 15-Subpart C, section 15.203, 15.205, 15.207, 15.209 and 15.247 rules.

Related Submittal(s)/Grant(s)

FCC Part 15B JBP submissions with FCC ID: 2AG4WZ710. FCC Part 15C DSS submissions with FCC ID: 2AG4WZ710. FCC Part 22H. 24E PCE submissions with FCC ID: 2AG4WZ710.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

All emissions measurement was performed and Bay Area Compliance Laboratories Corp. (Dongguan).

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industrial Zone, Tangxia, Dongguan, Guangdong, China

Test site at Bay Area Compliance Laboratories Corp. (Dongguan) has been fully described in reports submitted to the Federal Communications Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on February 06, 2015.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 273710. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

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SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in testing mode, which was provided by manufacturer. For 2.4GHz band, 11 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	7	2442
2	2417	8	2447
3	2422	9	2452
4	2427	10	2457
5	2432	11	2462
6	2437	/	/

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For 802.11b, 802.11g, and 802.11n ht20 modes were tested with channel 1, 6 and 11. For 802.11n ht40 mode were tested with Channel 3, 6 and 9.

The worst-case data rates are determined to be as follows for each mode based upon investigations by measuring the average power and PSD across all data rates bandwidths, and modulations.

For Bluetooth LE mode, 40 channels are provided for testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2442
1	2404		
•••			
		38	2478
19	2440	39	2480

EUT was tested with channel 0, 19 and 39.

Equipment Modifications

No modification was made to the EUT tested.

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EUT Exercise Software

The worst condition (maximum power with 100% duty cycle) was setting by the software as following table:

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Test Mode	Test Software Version		Engineer Mode	
	Test Frequency	2412MHz	2437MHz	2462MHz
802.11b	Data Rate	1Mbps	1Mbps	1Mbps
002.110	Power Level Setting	16	16	16
	Test Frequency	2412MHz	2437MHz	2462MHz
802.11g	Data Rate	6Mbps	6Mbps	6Mbps
ovaving	Power Level Setting	15	15	15
	Test Frequency	2412MHz	2437MHz	2462MHz
802.11n	Data Rate	MCS0	MCS0	MCS0
ht20	Power Level Setting	15	15	15
	Test Frequency	2422MHz	2437MHz	2452MHz
802.11n	Data Rate	MCS0	MCS0	MCS0
ht40	Power Level Setting	15	15	15

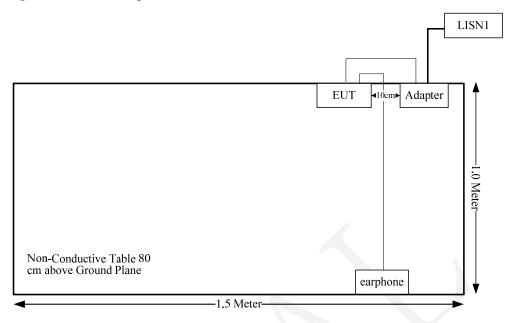
For BLE mode, the engineering mode configured the maximum power as default setting.

External Cable

Cable Description	Shielding Type	Ferrite Core	Length (cm)	From Port	То
USB Cable	No	No	112	USB Port of Adapter	EUT
Earphone	No	No	135	Audio Port of EUT	Earphone

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Block Diagram of Test Setup



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SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
FCC §15.247 (i) & §1.1310 & §2.1093	RF Exposure	Compliance
§15.203	Antenna Requirement	Compliance
§15.207 (a)	AC Line Conducted Emissions	Compliance
§15.247(d)	Spurious Emissions at Antenna Port	Compliance
§15.205, §15.209, §15.247(d)	Spurious Emissions	Compliance
§15.247 (a)(2)	6 dB Emission Bandwidth	Compliance
§15.247(b)(3)	Maximum conducted output power	Compliance
§15.247(d)	100 kHz Bandwidth of Frequency Band Edge	Compliance
§15.247(e)	Power Spectral Density	Compliance

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FCC §15.247 (i) & §1.1310 & §2.1093- RF EXPOSURE

Applicable Standard

According to §15.247(i) and §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

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According to KDB447498 D01 General RF Exposure Guidance v06:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances \leq 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance,

mm)] $\cdot [\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is ≤ 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Measurement Result

For BLE:

The tune-up power is -5.7dBm (0.27mW). [(max. power of channel, mW)/(min. test separation distance, mm)][$\sqrt{f(GHz)}$] = 0.27/5*($\sqrt{2}$.480) = 0.1 \leq 3.0

So the stand-alone SAR evaluation for BLE is not necessary.

For WLAN, please refer to the SAR report: RDG16503006-20.

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FCC §15.203 - ANTENNA REQUIREMENT

Applicable Standard

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

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- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.
 Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

Antenna Connector Construction

The EUT has one internal antenna arrangement for WiFi/BT, which was permanently attached and the antenna gain is 0 dBi, fulfill the requirement of this section. Please refer to the EUT photos.

Result: Compliance.

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FCC §15.207 (a) - AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC§15.207

Measurement Uncertainty

Compliance or non- compliance with a disturbance limit shall be determined in the following manner:

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If U_{lab} is less than or equal to U_{cispr} of Table 1, then:

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit. If U_{lab} is greater than U_{cispr} of Table 1, then:
- compliance is deemed to occur if no measured disturbance level, increased by $(U_{\text{lab}} U_{\text{cispr}})$, exceeds the disturbance limit;
- non compliance is deemed to occur if any measured disturbance level, increased by $(U_{\text{lab}} U_{\text{cispr}})$, exceeds the disturbance limit.

Based on CISPR 16-4-2-2011, measurement uncertainty of conducted disturbance at mains port using AMN at Bay Area Compliance Laboratories Corp. (Dongguan) is 3.12 dB (150 kHz to 30 MHz).

Table 1 – Values of
$$U_{\text{cispr}}$$

Measurement	$U_{ m cispr}$
Conducted disturbance at mains port using AMN (150 kHz to 30 MHz)	3.4 dB

EUT Setup



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

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The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

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The spacing between the peripherals was 10 cm.

The adapter was connected to a 120 VAC/60 Hz power source.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

Test Procedure

During the conducted emission test, the adapter was connected to the first LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

Corrected Amplitude & Margin Calculation

The basic equation is as follows:

$$V_C = V_R + A_C + VDF$$
$$C_f = A_C + VDF$$

Herein.

V_C (cord. Reading): corrected voltage amplitude

V_R: reading voltage amplitude A_c: attenuation caused by cable loss VDF: voltage division factor of AMN

C_f: Correction Factor

The "Margin" column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of 7dB means the emission is 7dB below the maximum limit. The equation for margin calculation is as follows:

Margin = Limit – Corrected Amplitude

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Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCS 30	830245/006	2015-10-20	2016-10-20
R&S	L.I.S.N	ESH2-Z5	892107/021	2015-07-16	2016-07-15
R&S	Two-line V-network	ENV 216	3560.6550.12	2015-11-26	2016-11-25
N/A	Coaxial Cable	1.8m	N/A	2016-05-06	2017-05-06
R&S	Test Software	EMC32	Version8.53.0	N/A	N/A

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Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.207, with the worst margin reading of:

6.2 dB at 0.169044 MHz in the Line conducted mode

Test Data

Environmental Conditions

Temperature:	28.9 °C	
Relative Humidity:	54 %	
ATM Pressure:	100.3 kPa	

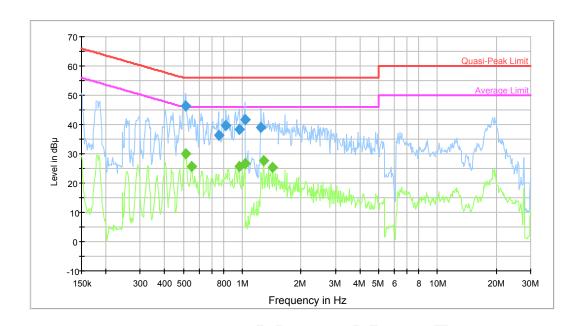
The testing was performed by Rocky Xiao on 2016-05-26.

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^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Mode: Wifi -Transmitting

AC120 V, 60 Hz, Line:



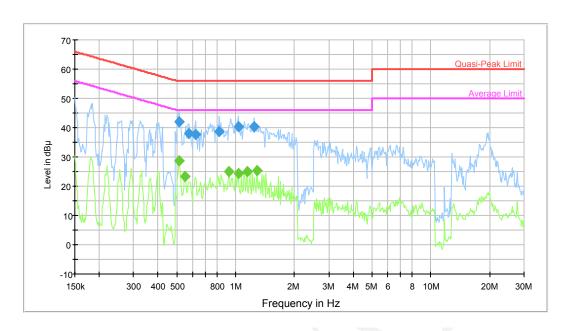
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Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.515791	46.2	9.000	L1	10.1	9.8	56.0	Compliance
0.756101	36.4	9.000	L1	10.4	19.6	56.0	Compliance
0.825364	39.8	9.000	L1	10.4	16.2	56.0	Compliance
0.967957	38.2	9.000	L1	10.4	17.8	56.0	Compliance
1.031669	41.6	9.000	L1	10.4	14.4	56.0	Compliance
1.249088	39.0	9.000	L1	10.4	17.0	56.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment	
0.511698	29.8	9.000	L1	10.1	16.2	46.0	Compliance	
0.549741	25.6	9.000	L1	10.1	20.4	46.0	Compliance	
0.960275	25.6	9.000	L1	10.4	20.4	46.0	Compliance	
1.031669	26.6	9.000	L1	10.4	19.4	46.0	Compliance	
1.289541	27.6	9.000	L1	10.4	18.4	46.0	Compliance	
1.430284	25.3	9.000	L1	10.4	20.7	46.0	Compliance	

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AC120 V, 60 Hz, Neutral:



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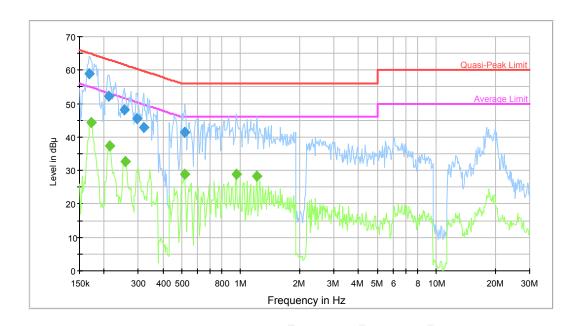
				The second second			
Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.511698	41.9	9.000	N	10.1	14.1	56.0	Compliance
0.576662	37.9	9.000	N	10.2	18.1	56.0	Compliance
0.624492	37.8	9.000	N	10.3	18.2	56.0	Compliance
0.825364	38.7	9.000	N	10.3	17.3	56.0	Compliance
1.031669	40.4	9.000	N	10.4	15.6	56.0	Compliance
1.249088	40.4	9.000	N	10.4	15.6	56.0	Compliance

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment	
0.511698	28.7	9.000	N	10.1	17.3	46.0	Compliance	
0.549741	23.3	9.000	N	10.1	22.7	46.0	Compliance	
0.922769	25.2	9.000	N	10.4	20.8	46.0	Compliance	
1.031669	24.3	9.000	N	10.4	21.7	46.0	Compliance	
1.144267	25.2	9.000	N	10.4	20.8	46.0	Compliance	
1.289541	25.3	9.000	N	10.4	20.7	46.0	Compliance	

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Test Mode: Transmitting (BLE)

AC120 V, 60 Hz, Line:



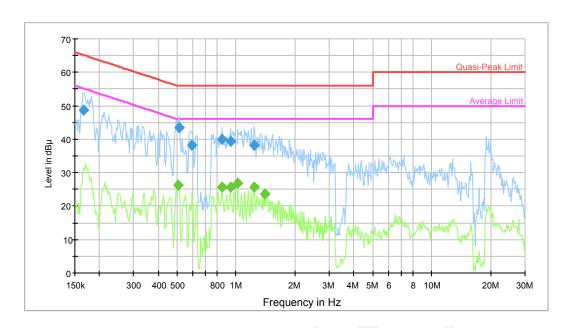
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Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.169044	58.8	9.000	L1	10.1	6.2	65.0	Compliance
0.211298	52.1	9.000	L1	10.2	11.1	63.2	Compliance
0.253797	48.0	9.000	L1	10.2	13.6	61.6	Compliance
0.295282	45.6	9.000	L1	10.2	14.8	60.4	Compliance
0.319773	42.8	9.000	L1	10.3	16.9	59.7	Compliance
0.519918	41.5	9.000	L1	10.1	14.5	56.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment	
0.171759	44.3	9.000	L1	10.1	10.6	54.9	Compliance	
0.214692	37.5	9.000	L1	10.2	15.5	53.0	Compliance	
0.257874	32.7	9.000	L1	10.2	18.8	51.5	Compliance	
0.515791	29.0	9.000	L1	10.1	17.0	46.0	Compliance	
0.952654	28.9	9.000	L1	10.4	17.1	46.0	Compliance	
1.209904	28.4	9.000	L1	10.4	17.6	46.0	Compliance	

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AC120 V, 60 Hz, Neutral:



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				VA.			
Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.166371	48.7	9.000	N	10.1	16.4	65.1	Compliance
0.511698	43.4	9.000	N	10.1	12.6	56.0	Compliance
0.590613	38.1	9.000	N	10.2	17.9	56.0	Compliance
0.852094	39.9	9.000	N	10.3	16.1	56.0	Compliance
0.937592	39.4	9.000	N	10.4	16.6	56.0	Compliance
1.239175	38.3	9.000	N	10.4	17.7	56.0	Compliance

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.507637	26.2	9.000	N	10.1	19.8	46.0	Compliance
0.852094	25.6	9.000	N	10.3	20.4	46.0	Compliance
0.937592	25.6	9.000	N	10.4	20.4	46.0	Compliance
1.023481	26.9	9.000	N	10.4	19.1	46.0	Compliance
1.239175	25.7	9.000	N	10.4	20.3	46.0	Compliance
1.407671	23.7	9.000	N	10.4	22.3	46.0	Compliance

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FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

Applicable Standard

FCC §15.247 (d); §15.209; §15.205;

Measurement Uncertainty

Compliance or non- compliance with a disturbance limit shall be determined in the following manner:

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If U_{lab} is less than or equal to U_{cispr} of Table 2, then:

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit. If U_{lab} is greater than U_{cispr} of Table 2, then:
- compliance is deemed to occur if no measured disturbance level, increased by $(U_{\text{lab}} U_{\text{cispr}})$, exceeds the disturbance limit;
- non compliance is deemed to occur if any measured disturbance level, increased by $(U_{\text{lab}} U_{\text{cispr}})$, exceeds the disturbance limit.

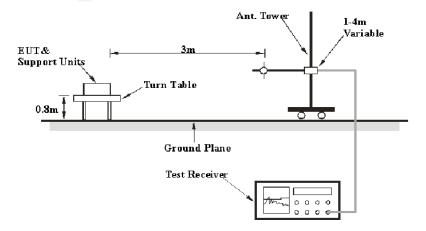
Based on CISPR 16-4-2: 2011, measurement uncertainty of radiated emission at a distance of 10m at Bay Area Compliance Laboratories Corp. (Dongguan) is:30M~200MHz: 4.55 dB for Horizontal, 4.57 dB for Vertical; 200M~1GHz: 4.66 dB for Horizontal, 4.56 dB for Vertical; measurement uncertainty of radiated emission at a distance of 3m at Bay Area Compliance Laboratories Corp. (Dongguan) is:30M~200MHz: 4.58 dB for Horizontal, 4.59 dB for Vertical; 200M~1GHz: 4.83 dB for Horizontal, 5.85 dB for Vertical; 1G~6GHz: 4.45 dB, 6G~18GHz: 5.23 dB

Table 2 – Values of U_{cispr}

Measurement	$U_{ m cispr}$
Radiated disturbance (electric field strength at an OATS or in a SAC) (30 MHz to 1000 MHz)	6.3 dB
Radiated disturbance (electric field strength in a FAR) (1 GHz to 6 GHz)	5.2 dB
Radiated disturbance (electric field strength in a FAR) (6 GHz to 18 GHz)	5.5 dB

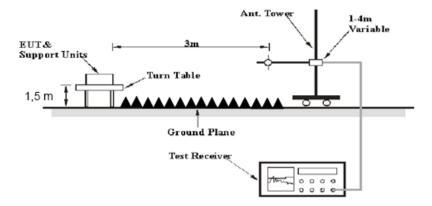
EUT Setup

Below 1GHz:



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Above 1GHz:



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The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209, and FCC 15.247 limits. The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 25 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Detector	
30 MHz – 1000 MHz	120 kHz	300 kHz	120 kHz	QP	
Al . 1 CH	1MHz	3 MHz	/	PK	
Above 1 GHz	1MHz	10 Hz	/	Ave.	

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz-1 GHz, peak and Average detection modes for frequencies above 1 GHz.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Loss and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Corrected Amplitude = Meter Reading + Antenna Loss + Cable Loss - Amplifier Gain

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The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

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Margin = Limit –Corrected Amplitude

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCI	100224	2015-08-03	2016-08-02
Sunol Sciences	Antenna	JB3	A060611-3	2014-11-06	2017-11-05
HP	Amplifier	8447E	2434A02181	2015-09-01	2016-09-01
Agilent	Spectrum Analyzer	E4440A	SG43360054	2015-11-23	2016-11-22
ETS-Lindgren	Horn Antenna	3115	9808-5557	2015-09-06	2018-09-06
Mini-Circuit	Amplifier	ZVA-213-S+	054201245	2016-02-19	2017-02-19
R&S	Spectrum Analyzer	FSEM	DE23437	2015-11-23	2016-11-22
Ducommun Technolagies	Horn Antenna	ARH-4223-02	1007726-01 1304	2014-06-16	2017-06-15
N/A	Coaxial Cable	14m	N/A	2016-05-06	2017-05-06
N/A	Coaxial Cable	8m	N/A	2016-05-06	2017-05-06
N/A	Coaxial Cable	0.1m	N/A	2016-05-06	2017-05-06
Quinstar	Amplifier	QLW- 18405536-JO	15964001001	2015-09-06	2016-09-06

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Results Summary

According to the recorded data in following table, the EUT complied with the <u>FCC Title 47, Part 15, Section 15.205, 15.209 and 15.247</u>, with the worst margin reading of:

7.36 dB at 2400 MHz in the Vertical polarization for 802.11g Mode

Test Data

Environmental Conditions

Temperature:	27.5 °C
Relative Humidity:	58 %
ATM Pressure:	100.8 kPa

The testing was performed by Rocky Xiao on 2016-05-20.

Test Mode: Transmitting

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802 11b Mode

802.11b Mode									
Б	Re	eceiver	Rx A	ntenna	Cable	Amplifier	Corrected	T,	3.6
Frequency (MHz)	Reading	Detector	Polar	Factor	loss	Gain	Amplitude	Limit (dBµV/m)	Margin (dB)
	(dBµV)	(PK/QP/AV)	(H/V)	(dB)	(dB)	(dB)	(dBµV/m)		
			L	ow Chanr	nel: 2412	MHz			
2412	64.63	PK	Н	25.67	3.68	0.00	93.98	N/A	N/A
2412	61.2	AV	Н	25.67	3.68	0.00	90.55	N/A	N/A
2412	65.23	PK	V	25.67	3.68	0.00	94.58	N/A	N/A
2412	61.85	AV	V	25.67	3.68	0.00	91.20	N/A	N/A
2400	28.63	PK	V	25.64	3.65	0.00	57.92	74.00	16.08
2400	16.75	AV	V	25.64	3.65	0.00	46.04	54.00	7.96
4824	34.7	PK	V	30.64	5.03	27.41	42.96	74.00	31.04
4824	21.46	AV	V	30.64	5.03	27.41	29.72	54.00	24.28
7236	35.67	PK	V	34.17	6.65	25.90	50.59	74.00	23.41
7236	22.33	AV	V	34.17	6.65	25.90	37.25	54.00	16.75
9648	33.17	PK	V	36.06	8.55	27.46	50.32	74.00	23.68
9648	19.5	AV	V	36.06	8.55	27.46	36.65	54.00	17.35
3250	35.32	PK	V	28.00	6.31	27.33	42.30	74.00	31.70
3250	22.9	AV	V	28.00	6.31	27.33	29.88	54.00	24.12
184.3	35.2	QP	V	11.37	1.62	21.45	26.74	43.50	16.76
2.12.5	6424	DV		ddle Char			02.02	27/4	27/4
2437	64.34	PK	H	25.74	3.75	0.00	93.83	N/A	N/A
2437	60.76	AV	Н	25.74	3.75	0.00	90.25	N/A	N/A
2437	64.86	PK	V	25.74	3.75	0.00	94.35	N/A	N/A
2437	61.43	AV	V	25.74	3.75	0.00	90.92	N/A	N/A
4874	34.85	PK	V	30.77	5.14	27.42	43.34	74.00	30.66
4874	21.49	AV	V	30.77	5.14	27.42	29.98	54.00	24.02
7311 7311	35.29 22.29	PK AV	V	34.35 34.35	6.74	25.88 25.88	50.50	74.00 54.00	23.50
9748	32.89	PK	V	36.30	8.61	25.88	37.50 50.56	74.00	16.50 23.44
9748	19.48	AV	V	36.30	8.61	27.24	37.15	54.00	16.85
3250	34.84	PK	V	28.00	6.31	27.24	41.82	74.00	32.18
3250	22.29	AV	V	28.00	6.31	27.33	29.27	54.00	24.73
3085	35.03	PK	V	27.47	6.78	27.46	41.82	74.00	32.18
3085	22.74	AV	V	27.47	6.78	27.46	29.53	54.00	24.47
184.3	36.31	QP	V	11.37	1.62	21.45	27.85	43.50	15.65
104.5	30.31	Ų		igh Chanı			27.03	43.50	13.03
2462	64.58	PK	Н	25.80	3.75	0.00	94.13	N/A	N/A
2462	61.22	AV	Н	25.80	3.75	0.00	90.77	N/A	N/A
2462	65.16	PK	V	25.80	3.75	0.00	94.71	N/A	N/A
2462	61.66	AV	V	25.80	3.75	0.00	91.21	N/A	N/A
2483.5	29.27	PK	V	25.86	3.67	0.00	58.80	74.00	15.20
2483.5	16.58	AV	V	25.86	3.67	0.00	46.11	54.00	7.89
4924	35	PK	V	30.90	5.34	27.43	43.81	74.00	30.19
4924	21.58	AV	V	30.90	5.34	27.43	30.39	54.00	23.61
7386	35.34	PK	V	34.53	6.83	25.86	50.84	74.00	23.16
7386	22.17	AV	V	34.53	6.83	25.86	37.67	54.00	16.33
9848	32.73	PK	V	36.54	8.66	26.94	50.99	74.00	23.01
9848	19.45	AV	V	36.54	8.66	26.94	37.71	54.00	16.29
3250	34.96	PK	V	28.00	6.31	27.33	41.94	74.00	32.06
3250	22.44	AV	V	28.00	6.31	27.33	29.42	54.00	24.58
184.3	36.23	QP	V	11.37	1.62	21.45	27.77	43.50	15.73

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802.11g Mode

802.11g	802.11g Mode									
-	Re	Receiver		Antenna	Cable	Amplifier	Corrected	.	3.5	
Frequency (MHz)	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)	loss (dB)	Gain (dB)	Amplitude (dBμV/m)	Limit (dBµV/m)	Margin (dB)	
Low Channel: 2412 MHz										
2412	63.73	PK	Н	25.67	3.68	0.00	93.08	N/A	N/A	
2412	54.99	AV	Н	25.67	3.68	0.00	84.34	N/A	N/A	
2412	64.48	PK	V	25.67	3.68	0.00	93.83	N/A	N/A	
2412	55.26	AV	V	25.67	3.68	0.00	84.61	N/A	N/A	
2400	32.79	PK	V	25.64	3.65	0.00	62.08	74.00	11.92	
2400	17.35	AV	V	25.64	3.65	0.00	46.64	54.00	7.36	
4824	33.93	PK	V	30.64	5.03	27.41	42.19	74.00	31.81	
4824	20.5	AV	V	30.64	5.03	27.41	28.76	54.00	25.24	
7236	34.25	PK	V	34.17	6.65	25.90	49.17	74.00	24.83	
7236	21.3	AV	V	34.17	6.65	25.90	36.22	54.00	17.78	
9648	31.76	PK	V	36.06	8.55	27.46	48.91	74.00	25.09	
9648	18.47	AV	V	36.06	8.55	27.46	35.62	54.00	18.38	
3250	33.92	PK	V	28.00	6.31	27.33	40.90	74.00	33.10	
3250	21.47	AV	V	28.00	6.31	27.33	28.45	54.00	25.55	
184.3	35.83	QP	V	11.37	1.62	21.45	27.37	43.50	16.13	
			M	iddle Chann		MHz				
2437	63.45	PK	Н	25.74	3.75	0.00	92.94	N/A	N/A	
2437	54.52	AV	Н	25.74	3.75	0.00	84.01	N/A	N/A	
2437	64.1	PK	V	25.74	3.75	0.00	93.59	N/A	N/A	
2437	54.95	AV	V	25.74	3.75	0.00	84.44	N/A	N/A	
4874	33.9	PK	V	30.77	5.14	27.42	42.39	74.00	31.61	
4874	20.52	AV	V	30.77	5.14	27.42	29.01	54.00	24.99	
7311	34.23	PK	V	34.35	6.74	25.88	49.44	74.00	24.56	
7311	21.3	AV	V	34.35	6.74	25.88	36.51	54.00	17.49	
9748	31.83	PK	V	36.30	8.61	27.24	49.50	74.00	24.50	
9748	18.45	AV	V	36.30	8.61	27.24	36.12	54.00	17.88	
3250	33.95	PK	V	28.00	6.31	27.33	40.93	74.00	33.07	
3250	21.52	AV	V	28.00	6.31	27.33	28.50	54.00	25.50	
3085	34.01	PK	V	27.47	6.78	27.46	40.80	74.00	33.20	
3085	21.4	AV	V	27.47	6.78	27.46	28.19	54.00	25.81	
184.3	35.74	QP	V	11.37	1.62	21.45	27.28	43.50	16.22	
				High Channe						
2462	63.55	PK	Н	25.80	3.75	0.00	93.10	N/A	N/A	
2462	54.85	AV	Н	25.80	3.75	0.00	84.40	N/A	N/A	
2462	64.33	PK	V	25.80	3.75	0.00	93.88	N/A	N/A	
2462	55.61	AV	V	25.80	3.75	0.00	85.16	N/A	N/A	
2483.5	27.69	PK	V	25.86	3.67	0.00	57.22	74.00	16.78	
2483.5	15.65	AV	V	25.86	3.67	0.00	45.18	54.00	8.82	
4924	33.76	PK	V	30.90	5.34	27.43	42.57	74.00	31.43	
4924	20.5	AV	V	30.90	5.34	27.43	29.31	54.00	24.69	
7386	34.38	PK	V	34.53	6.83	25.86	49.88	74.00	24.12	
7386	21.27	AV	V	34.53	6.83	25.86	36.77	54.00	17.23	
9848	31.82	PK	V	36.54	8.66	26.94	50.08	74.00	23.92	
9848	18.52	AV	V	36.54	8.66	26.94	36.78	54.00	17.22	
3250	33.97	PK	V	28.00	6.31	27.33	40.95	74.00	33.05	
3250	21.49	AV	V	28.00	6.31	27.33	28.47	54.00	25.53	
184.3	35.96	QP	V	11.37	1.62	21.45	27.50	43.50	16.00	

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802 11 n ht20 Mode

1.79 2.25 2.31 2.72 3.34 5.22 3.94 0.52 4.2 1.24 1.69 3.53 3.84 1.57 6.25	PK AV	Polar (H/V) H H V V V V V V V V V V V V V V V V	renna Factor (dB) ow Chann 25.67 25.67 25.67 25.64 25.64 30.64 30.64 34.17 34.17 36.06 28.00 28.00 11.37 ddle Chan 25.74	3.68 3.68 3.68 3.65 3.65 5.03 5.03 6.65 6.65 8.55 8.55 6.31 6.31	Amplifier Gain (dB) MHz 0.00 0.00 0.00 0.00 0.00 27.41 27.41 25.90 25.90 27.46 27.46 27.33 27.33 21.45	Corrected Amplitude (dBμV/m) 91.14 81.60 91.66 82.07 57.63 44.51 42.20 28.78 49.12 36.16 48.84 35.68 40.82 28.55 27.79	N/A N/A N/A N/A N/A 74.00 54.00 74.00 54.00 74.00 54.00 74.00 54.00 74.00 54.00	N/A N/A N/A N/A 16.37 9.49 31.80 25.22 24.88 17.84 25.16 18.32 33.18 25.45
1.79 2.25 2.31 2.72 3.34 5.22 3.94 0.52 4.2 1.24 1.69 3.53 3.84 1.57 6.25	PK AV	H	ow Chann 25.67 25.67 25.67 25.67 25.64 25.64 30.64 30.64 34.17 34.17 36.06 28.00 28.00 11.37 ddle Chan	(dB) el: 2412 3.68 3.68 3.68 3.65 3.65 5.03 5.03 6.65 6.65 8.55 6.31 6.31 1.62	(dB) MHz 0.00 0.00 0.00 0.00 0.00 27.41 27.41 25.90 25.90 27.46 27.46 27.33 27.33	91.14 81.60 91.66 82.07 57.63 44.51 42.20 28.78 49.12 36.16 48.84 35.68 40.82 28.55	N/A N/A N/A N/A 74.00 54.00 74.00 54.00 74.00 54.00 74.00 54.00 74.00 54.00 74.00	N/A N/A N/A N/A 16.37 9.49 31.80 25.22 24.88 17.84 25.16 18.32 33.18
2.25 2.31 2.72 3.34 5.22 3.94 0.52 4.2 1.24 1.69 3.53 3.84 1.57 6.25 1.66 1.93 2.01 2.22	AV PK AV AV AV AV AV	H H V V V V V V V V V V V V H H	25.67 25.67 25.67 25.64 25.64 30.64 30.64 34.17 34.17 36.06 28.00 28.00 11.37 ddle Chan	3.68 3.68 3.68 3.65 3.65 5.03 5.03 6.65 6.65 8.55 8.55 6.31 6.31	0.00 0.00 0.00 0.00 0.00 0.00 27.41 27.41 25.90 25.90 27.46 27.46 27.33 27.33	81.60 91.66 82.07 57.63 44.51 42.20 28.78 49.12 36.16 48.84 35.68 40.82 28.55	N/A N/A N/A 74.00 54.00 74.00 54.00 74.00 54.00 74.00 54.00 74.00 54.00 74.00	N/A N/A N/A 16.37 9.49 31.80 25.22 24.88 17.84 25.16 18.32 33.18
2.25 2.31 2.72 3.34 5.22 3.94 0.52 4.2 1.24 1.69 3.53 3.84 1.57 6.25 1.66 1.93 2.01 2.22	AV PK AV AV AV AV AV	H H V V V V V V V V V V V V H H	25.67 25.67 25.67 25.64 25.64 30.64 30.64 34.17 34.17 36.06 28.00 28.00 11.37 ddle Chan	3.68 3.68 3.68 3.65 3.65 5.03 5.03 6.65 6.65 8.55 8.55 6.31 6.31	0.00 0.00 0.00 0.00 0.00 0.00 27.41 27.41 25.90 25.90 27.46 27.46 27.33 27.33	81.60 91.66 82.07 57.63 44.51 42.20 28.78 49.12 36.16 48.84 35.68 40.82 28.55	N/A N/A N/A 74.00 54.00 74.00 54.00 74.00 54.00 74.00 54.00 74.00 54.00 74.00	N/A N/A N/A 16.37 9.49 31.80 25.22 24.88 17.84 25.16 18.32 33.18
2.31 2.72 3.34 5.22 3.94 0.52 4.2 1.24 1.69 3.53 3.84 1.57 6.25 1.66 1.93 2.01 2.22	AV PK AV AV AV AV AV	V V V V V V V V V V V H	25.67 25.64 25.64 30.64 30.64 34.17 34.17 36.06 36.06 28.00 28.00 11.37 ddle Chan	3.68 3.68 3.65 3.65 5.03 5.03 6.65 6.65 8.55 8.55 6.31 6.31	0.00 0.00 0.00 0.00 27.41 27.41 25.90 25.90 27.46 27.46 27.33 27.33	91.66 82.07 57.63 44.51 42.20 28.78 49.12 36.16 48.84 35.68 40.82 28.55	N/A N/A 74.00 54.00 74.00 54.00 74.00 54.00 74.00 54.00 74.00 54.00 74.00	N/A N/A N/A 16.37 9.49 31.80 25.22 24.88 17.84 25.16 18.32 33.18
2.31 2.72 3.34 5.22 3.94 0.52 4.2 1.24 1.69 3.53 3.84 1.57 6.25 1.66 1.93 2.01 2.22	PK AV AV AV	V V V V V V V V V V V H	25.67 25.64 25.64 30.64 30.64 34.17 34.17 36.06 36.06 28.00 28.00 11.37 ddle Chan	3.68 3.65 3.65 5.03 5.03 6.65 6.65 8.55 8.55 6.31 1.62	0.00 0.00 0.00 0.00 27.41 27.41 25.90 25.90 27.46 27.46 27.33 27.33	82.07 57.63 44.51 42.20 28.78 49.12 36.16 48.84 35.68 40.82 28.55	N/A N/A 74.00 54.00 74.00 54.00 74.00 54.00 74.00 54.00 74.00 54.00 74.00	N/A N/A 16.37 9.49 31.80 25.22 24.88 17.84 25.16 18.32 33.18
3.34 5.22 3.94 0.52 4.2 1.24 1.69 3.53 3.84 1.57 5.25 1.66 1.93 2.01 2.22	PK AV AV AV	V V V V V V V V V V H	25.64 25.64 30.64 30.64 34.17 34.17 36.06 36.06 28.00 28.00 11.37 ddle Chan	3.65 3.65 5.03 5.03 6.65 6.65 8.55 8.55 6.31 6.31	0.00 0.00 27.41 27.41 25.90 25.90 27.46 27.46 27.33 27.33	57.63 44.51 42.20 28.78 49.12 36.16 48.84 35.68 40.82 28.55	74.00 54.00 74.00 54.00 74.00 54.00 74.00 54.00 74.00 54.00 54.00	16.37 9.49 31.80 25.22 24.88 17.84 25.16 18.32 33.18
5.22 3.94 0.52 4.2 1.24 1.69 3.53 3.84 1.57 5.25 1.66 1.93 2.01 2.22	PK AV AV AV	V V V V V V V V W H	25.64 25.64 30.64 30.64 34.17 34.17 36.06 36.06 28.00 28.00 11.37 ddle Chan	3.65 5.03 5.03 6.65 6.65 8.55 8.55 6.31 6.31	0.00 27.41 27.41 25.90 25.90 27.46 27.46 27.33 27.33	44.51 42.20 28.78 49.12 36.16 48.84 35.68 40.82 28.55	54.00 74.00 54.00 74.00 54.00 74.00 54.00 74.00 54.00 54.00	9.49 31.80 25.22 24.88 17.84 25.16 18.32 33.18
3.94 0.52 4.2 1.24 1.69 3.53 3.84 1.57 5.25 1.66 1.93 2.01 2.22	PK AV PK AV PK AV PK AV PK AV PK AV AV	V V V V V V V W H	30.64 30.64 34.17 34.17 36.06 36.06 28.00 28.00 11.37 ddle Chan	5.03 5.03 6.65 6.65 8.55 8.55 6.31 6.31	27.41 27.41 25.90 25.90 27.46 27.46 27.33 27.33	42.20 28.78 49.12 36.16 48.84 35.68 40.82 28.55	74.00 54.00 74.00 54.00 74.00 54.00 74.00 54.00 54.00	31.80 25.22 24.88 17.84 25.16 18.32 33.18
0.52 4.2 1.24 1.69 3.53 3.84 1.57 5.25 1.66 1.93 2.01 2.22	AV PK AV PK AV PK AV PK AV QP	V V V V V V V Mi	30.64 34.17 34.17 36.06 36.06 28.00 28.00 11.37 ddle Chan	5.03 6.65 6.65 8.55 8.55 6.31 6.31	27.41 25.90 25.90 27.46 27.46 27.33 27.33	28.78 49.12 36.16 48.84 35.68 40.82 28.55	54.00 74.00 54.00 74.00 54.00 74.00 54.00	25.22 24.88 17.84 25.16 18.32 33.18
4.2 1.24 1.69 3.53 3.84 1.57 6.25 1.66 1.93 2.01 2.22	PK AV PK AV PK AV QP	V V V V V V Mi	34.17 34.17 36.06 36.06 28.00 28.00 11.37 ddle Chan	6.65 6.65 8.55 8.55 6.31 6.31 1.62	25.90 25.90 27.46 27.46 27.33 27.33	49.12 36.16 48.84 35.68 40.82 28.55	74.00 54.00 74.00 54.00 74.00 54.00	24.88 17.84 25.16 18.32 33.18
1.24 1.69 3.53 3.84 1.57 6.25 1.66 1.93 2.01 2.22	AV PK AV PK AV QP	V V V V V V Mi	34.17 36.06 36.06 28.00 28.00 11.37 ddle Chan	6.65 8.55 8.55 6.31 6.31 1.62	25.90 27.46 27.46 27.33 27.33	36.16 48.84 35.68 40.82 28.55	54.00 74.00 54.00 74.00 54.00	17.84 25.16 18.32 33.18
1.69 3.53 3.84 1.57 5.25 1.66 1.93 2.01 2.22	PK AV PK AV QP	V V V V V Mi	36.06 36.06 28.00 28.00 11.37 ddle Chan	8.55 8.55 6.31 6.31 1.62	27.46 27.46 27.33 27.33	48.84 35.68 40.82 28.55	74.00 54.00 74.00 54.00	25.16 18.32 33.18
3.53 3.84 1.57 6.25 1.66 1.93 2.01 2.22	AV PK AV QP PK AV	V V V V Mi	36.06 28.00 28.00 11.37 ddle Chan	8.55 6.31 6.31 1.62	27.46 27.33 27.33	35.68 40.82 28.55	54.00 74.00 54.00	18.32 33.18
3.84 1.57 5.25 1.66 1.93 2.01 2.22	PK AV QP PK AV	V V V Mi	28.00 28.00 11.37 ddle Chan	6.31 6.31 1.62	27.33 27.33	40.82 28.55	74.00 54.00	33.18
1.57 6.25 1.66 1.93 2.01 2.22	AV QP PK AV	V V Mi H	28.00 11.37 ddle Chan	6.31	27.33	28.55	54.00	
5.25 1.66 1.93 2.01 2.22	PK AV	V Mi H	11.37 ddle Chan	1.62				25.45
1.66 1.93 2.01 2.22	PK AV	Mi H	ddle Chan		21.45	27.79		
1.93 2.01 2.22	AV	Н				-,,,,	43.50	15.71
1.93 2.01 2.22	AV		25 74	nel: 2437	MHz			
2.01		Ц		3.75	0.00	91.15	N/A	N/A
2.22	PK		25.74	3.75	0.00	81.42	N/A	N/A
		V	25.74	3.75	0.00	91.50	N/A	N/A
	AV	V	25.74	3.75	0.00	81.71	N/A	N/A
3.85	PK	V	30.77	5.14	27.42	42.34	74.00	31.66
0.42	AV	V	30.77	5.14	27.42	28.91	54.00	25.09
1.26	PK	V	34.35	6.74	25.88	49.47	74.00	24.53
1.25	AV	V	34.35	6.74	25.88	36.46	54.00	17.54
1.71	PK	V	36.30	8.61	27.24	49.38	74.00	24.62
3.51	AV	V	36.30	8.61	27.24	36.18	54.00	17.82
3.9								33.12
450		Vanishing.						25.49
3.93								33.28
								25.79
5.97	QP					27.51	43.50	15.99
2.5	DIZ					02.05	NT/A	NT/A
	200						3.7/1	N/A
		100						N/A
								N/A
								N/A
								16.99
								8.88
								31.33
								24.74
								24.23
								17.23
								23.94
								17.26
3 .9								33.12
								25.60 15.51
1 3 1 5 7 5 3 1 1 3	.53 .93 .42 .97 2.5 .89 .03 .39 .48 .59 .86 .45 .27 .27 1.8 .48 .3.9	.53 AV .93 PK .42 AV .97 QP 2.5 PK .89 AV .03 PK .39 AV .48 PK .59 AV .86 PK .45 AV .27 PK .27 AV 1.8 PK .48 AV	.53 AV V .93 PK V .42 AV V .97 QP V	.53 AV V 28.00 .93 PK V 27.47 .42 AV V 27.47 .97 QP V 11.37 High Chann 2.5 PK H 25.80 .89 AV H 25.80 .03 PK V 25.80 .39 AV V 25.80 .48 PK V 25.86 .59 AV V 25.86 .86 PK V 30.90 .45 AV V 34.53 .27 PK V 34.53 .27 AV V 36.54 .48 AV V 28.00 .42 AV V 28.00	.53 AV V 28.00 6.31 .93 PK V 27.47 6.78 .42 AV V 27.47 6.78 .97 QP V 11.37 1.62 High Channel: 2462 2.5 PK H 25.80 3.75 .89 AV H 25.80 3.75 .03 PK V 25.80 3.75 .39 AV V 25.80 3.75 .48 PK V 25.86 3.67 .59 AV V 25.86 3.67 .86 PK V 30.90 5.34 .45 AV V 30.90 5.34 .27 PK V 34.53 6.83 .27 AV V 36.54 8.66 .48 AV V 36.54 8.66 .48 AV V 28.00 6.31	.53 AV V 28.00 6.31 27.33 .93 PK V 27.47 6.78 27.46 .42 AV V 27.47 6.78 27.46 .97 QP V 11.37 1.62 21.45 High Channel: 2462 MHz 2.5 PK H 25.80 3.75 0.00 .89 AV H 25.80 3.75 0.00 .03 PK V 25.80 3.75 0.00 .39 AV V 25.80 3.75 0.00 .48 PK V 25.86 3.67 0.00 .59 AV V 25.86 3.67 0.00 .86 PK V 30.90 5.34 27.43 .45 AV V 34.53 6.83 25.86 .27 PK V 34.53 6.83 25.86 .27 AV V	.53 AV V 28.00 6.31 27.33 28.51 .93 PK V 27.47 6.78 27.46 40.72 .42 AV V 27.47 6.78 27.46 28.21 .97 QP V 11.37 1.62 21.45 27.51 High Channel: 2462 MHz 2.5 PK H 25.80 3.75 0.00 92.05 .89 AV H 25.80 3.75 0.00 92.58 .39 AV V 25.86 3.67 0.00 82.94 .48 PK V 25.86 3.67 0.00 57.01 .59 AV V 30.90 5.34 </td <td>.53 AV V 28.00 6.31 27.33 28.51 54.00 .93 PK V 27.47 6.78 27.46 40.72 74.00 .42 AV V 27.47 6.78 27.46 28.21 54.00 .97 QP V 11.37 1.62 21.45 27.51 43.50 High Channel: 2462 MHz 2.5 PK H 25.80 3.75 0.00 92.05 N/A .89 AV H 25.80 3.75 0.00 82.44 N/A .03 PK V 25.80 3.75 0.00 92.58 N/A .39 AV V 25.80 3.75 0.00 82.94 N/A .48 PK V 25.86 3.67 0.00 82.94 N/A .48 PK V 25.86 3.67 0.00 57.01 74.00 .45 AV <</td>	.53 AV V 28.00 6.31 27.33 28.51 54.00 .93 PK V 27.47 6.78 27.46 40.72 74.00 .42 AV V 27.47 6.78 27.46 28.21 54.00 .97 QP V 11.37 1.62 21.45 27.51 43.50 High Channel: 2462 MHz 2.5 PK H 25.80 3.75 0.00 92.05 N/A .89 AV H 25.80 3.75 0.00 82.44 N/A .03 PK V 25.80 3.75 0.00 92.58 N/A .39 AV V 25.80 3.75 0.00 82.94 N/A .48 PK V 25.86 3.67 0.00 82.94 N/A .48 PK V 25.86 3.67 0.00 57.01 74.00 .45 AV <

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802 11 n ht40 Mode

	nt40 Mode	eceiver	Rv A	ntenna	Cable	Amplifian	Corrected		
Frequency (MHz)	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)	loss (dB)	Amplifier Gain (dB)	Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	(uDµ+)	(112/Q1/1111)	` /	ow Chann	. ,	()	(* (*)		
2422	61.18	DV.		25.70	3.71		90.59	NI/A	NT/A
2422 2422	51.96	PK AV	H H	25.70	3.71	0.00	81.37	N/A N/A	N/A N/A
2422	61.66	PK	V	25.70	3.71	0.00	91.07	N/A N/A	N/A N/A
2422	52.51	AV	V	25.70	3.71	0.00	81.92	N/A	N/A
2400	28.3	PK	V	25.64	3.65	0.00	57.59	74.00	16.41
2400	15.38	AV	V	25.64	3.65	0.00	44.67	54.00	9.33
4844	33.74	PK	V	30.69	4.99	27.42	42.00	74.00	32.00
4844	20.49	AV	V	30.69	4.99	27.42	28.75	54.00	25.25
7266	34.36	PK	V	34.24	6.68	25.89	49.39	74.00	24.61
7266	21.23	AV	V	34.24	6.68	25.89	36.26	54.00	17.74
9688	31.85	PK	V	36.15	8.58	27.37	49.21	74.00	24.79
9688	18.51	AV	V	36.15	8.58	27.37	35.87	54.00	18.13
3250	34.02	PK	V	28.00	6.31	27.33	41.00	74.00	33.00
3250	21.44	AV	V	28.00	6.31	27.33	28.42	54.00	25.58
184.3	35.63	QP	V	11.37	1.62	21.45	27.17	43.50	16.33
104.3	33.03	Qr		ddle Chan			27.17	43.30	10.55
2437	60.81	PK	Н	25.74	3.75	0.00	90.30	N/A	N/A
2437	51.55	AV	Н	25.74	3.75	0.00	81.04	N/A N/A	N/A
2437	61.38	PK	V	25.74	3.75	0.00	90.87	N/A	N/A
2437	52.04	AV	V	25.74	3.75	0.00	81.53	N/A N/A	N/A N/A
4874	33.93	PK	V	30.77	5.14	27.42	42.42	74.00	31.58
4874	20.55	AV	V	30.77	5.14	27.42	29.04	54.00	24.96
7311	34.28	PK	V	34.35	6.74	25.88	49.49	74.00	24.96
7311	21.05	AV	V	34.35	6.74	25.88	36.26	54.00	17.74
9748	31.69	PK	V	36.30	8.61	27.24	49.36	74.00	24.64
9748	18.49	AV	V	36.30	8.61	27.24	36.16	54.00	17.84
3250	33.87	PK	V	28.00	6.31	27.24	40.85	74.00	33.15
3250	21.58	AV	V	28.00	6.31	27.33	28.56	54.00	25.44
3085	34.17	PK	V	27.47	6.78	27.46	40.96	74.00	33.04
3085	21.71	AV	V	27.47	6.78	27.46	28.50	54.00	25.50
184.3	35.69	QP	V	11.37	1.62	21.45	27.23	43.50	16.27
184.3	33.09	QP		igh Chann			21.23	43.30	10.27
2452	61.69	PK	Н	25.78	3.78	0.00	91.25	N/A	N/A
2452	52.29	AV	Н	25.78	3.78	0.00	81.85	N/A	N/A
2452	62.01	PK	V	25.78	3.78	0.00	91.57	N/A	N/A
2452	52.61	AV	V	25.78	3.78	0.00	82.17	N/A	N/A
2483.5	27.89	PK	V	25.86	3.67	0.00	57.42	74.00	16.58
2483.5	15.56	AV	V	25.86	3.67	0.00	45.09	54.00	8.91
4904	33.84	PK	V	30.85	5.31	27.43	42.57	74.00	31.43
4904	20.48	AV	V	30.85	5.31	27.43	29.21	54.00	24.79
7356	34.3	PK	V	34.45	6.79	25.87	49.67	74.00	24.79
7356	21.17	AV	V	34.45	6.79	25.87	36.54	54.00	17.46
9808	31.73	PK	V	36.44	8.64	27.09	49.72	74.00	24.28
9808	18.5	AV	V	36.44	8.64	27.09	36.49	54.00	17.51
3250	33.9	PK	V	28.00	6.31	27.09	40.88	74.00	33.12
3250 184.3	21.51 35.54	AV QP	V	28.00 11.37	6.31 1.62	27.33 21.45	28.49 27.08	54.00 43.50	25.51 16.42

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BLE Mode

E	R	eceiver	Rx A	ntenna	Cable	Amplifier	Corrected	T :=*4	3.5
Frequency (MHz)	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)	loss (dB)	Gain (dB)	Amplitude (dBµV/m)	Limit (dBμV/m)	Margin (dB)
			L	ow Chann	el: 2402	MHz			
2402	53.77	PK	Н	25.65	3.66	0.00	83.08	N/A	N/A
2402	48.81	AV	Н	25.65	3.66	0.00	78.12	N/A	N/A
2402	55.23	PK	V	25.65	3.66	0.00	84.54	N/A	N/A
2402	50.28	AV	V	25.65	3.66	0.00	79.59	N/A	N/A
2400	27.43	PK	V	25.64	3.65	0.00	56.72	74.00	17.28
2400	15.63	AV	V	25.64	3.65	0.00	44.92	54.00	9.08
4804	33.21	PK	V	30.59	5.06	27.41	41.45	74.00	32.55
4804	19.63	AV	V	30.59	5.06	27.41	27.87	54.00	26.13
7206	32.9	PK	V	34.09	6.61	25.91	47.69	74.00	26.31
7206	19.91	AV	V	34.09	6.61	25.91	34.70	54.00	19.30
9608	30.85	PK	V	35.96	8.53	27.55	47.79	74.00	26.21
9608	17.79	AV	V	35.96	8.53	27.55	34.73	54.00	19.27
3265	33.1	PK	V	28.05	5.96	27.31	39.80	74.00	34.20
3265	20.85	AV	V	28.05	5.96	27.31	27.55	54.00	26.45
184.4	35.52	QP	V	11.37	1.62	21.45	27.06	43.50	16.44
			Mi	ddle Chan	nel: 2440) MHz			
2440	53.38	PK	Н	25.74	3.76	0.00	82.88	N/A	N/A
2440	48.41	AV	Н	25.74	3.76	0.00	77.91	N/A	N/A
2440	54.53	PK	V	25.74	3.76	0.00	84.03	N/A	N/A
2440	49.64	AV	V	25.74	3.76	0.00	79.14	N/A	N/A
4880	33.3	PK	V	30.79	5.18	27.42	41.85	74.00	32.15
4880	19.7	AV	V	30.79	5.18	27.42	28.25	54.00	25.75
7320	33.37	PK	V	34.37	6.75	25.88	48.61	74.00	25.39
7320	20.06	AV	V	34.37	6.75	25.88	35.30	54.00	18.70
9760	30.7	PK	V	36.32	8.62	27.21	48.43	74.00	25.57
9760	17.8	AV	V	36.32	8.62	27.21	35.53	54.00	18.47
3265	33.48	PK	V	28.05	5.96	27.31	40.18	74.00	33.82
3265	21.09	AV	V	28.05	5.96	27.31	27.79	54.00	26.21
3670	33.08	PK	V	29.17	4.57	27.31	39.51	74.00	34.49
3670	20.59	AV	V	29.17	4.57	27.31	27.02	54.00	26.98
184.4	35.55	QP	V	11.37	1.62	21.45	27.09	43.50	16.41
				igh Chann			 	1	
2480	52.57	PK	Н	25.85	3.68	0.00	82.10	N/A	N/A
2480	47.72	AV	Н	25.85	3.68	0.00	77.25	N/A	N/A
2480	53.94	PK	V	25.85	3.68	0.00	83.47	N/A	N/A
2480	49.17	AV	V	25.85	3.68	0.00	78.70	N/A	N/A
2483.5	25.94	PK	V	25.86	3.67	0.00	55.47	74.00	18.53
2483.5	14.88	AV	V	25.86	3.67	0.00	44.41	54.00	9.59
4960	33.32	PK	V	31.00	5.34	27.43	42.23	74.00	31.77
4960	19.72	AV	V	31.00	5.34	27.43	28.63	54.00	25.37
7440	33.34	PK	V	34.66	6.89	25.97	48.92	74.00	25.08
7440	19.88	AV	V	34.66	6.89	25.97	35.46	54.00	18.54
9920	30.58	PK	V	36.71	8.71	26.66	49.34	74.00	24.66
9920	17.72	AV	V	36.71	8.71	26.66	36.48	54.00	17.52
3265	33.08	PK	V	28.05	5.96	27.31	39.78	74.00	34.22
3265	20.55	AV	V	28.05	5.96	27.31	27.25	54.00	26.75
184.4	35.44	QP	V	11.37	1.62	21.45	26.98	43.50	16.52

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FCC $\S15.247(a)$ (2) – 6 dB EMISSION BANDWIDTH

Applicable Standard

Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

Report No.: RDG160503006-00A

Test Procedure

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) $\geq 3 \times RBW$
- c) Detector = Peak.
- d) Trace mode = \max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.



Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSP 38	100478	2015-11-23	2016-11-22
N/A	Coaxial Cable	0.1m	N/A	2016-05-06	2017-05-06
E-Microwave	DC Blocking	EMDCB-00036	0E01201047	2016-05-06	2017-05-06

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

Temperature:	26.4 °C
Relative Humidity:	50 %
ATM Pressure:	100.4 kPa

^{*} The testing was performed by Rocky Xiao on 2016-05-09.

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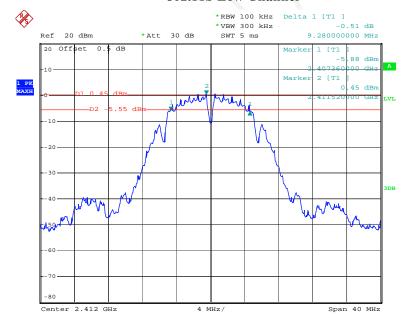
Test Mode: Transmitting

Test Result: Compliant. Please refer to the following table and plots.

Test mode	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)
	Low	2412	9.28	≥0.5
802.11b	Middle	2437	9.28	≥0.5
	High	2462	9.28	≥0.5
	Low	2412	16.48	≥0.5
802.11g	Middle	2437	16.48	≥0.5
	High	2462	16.48	≥0.5
	Low	2412	17.76	≥0.5
802.11n20	Middle	2437	17.68	≥0.5
	High	2462	17.68	≥0.5
	Low	2422	36.32	≥0.5
802.11n40	Middle	2437	36.32	≥0.5
	High	2452	36.32	≥0.5
	Low	2402	0.70	≥0.5
BLE	Middle	2440	0.70	≥0.5
	High	2480	0.70	≥0.5

Report No.: RDG160503006-00A

802.11b Low Channel

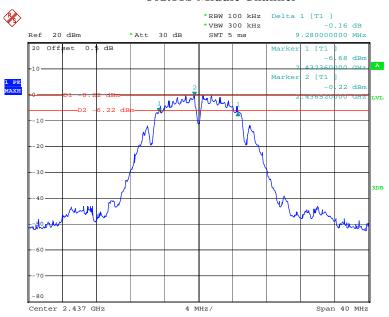


Date: 9.MAY.2016 17:09:52

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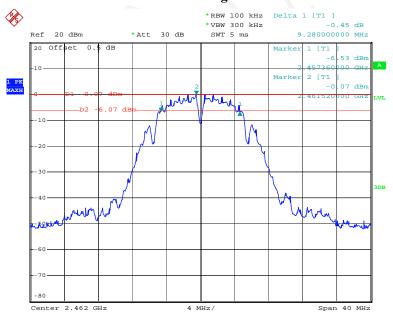
802.11b Middle Channel

Report No.: RDG160503006-00A



Date: 9.MAY.2016 17:12:39

802.11b High Channel

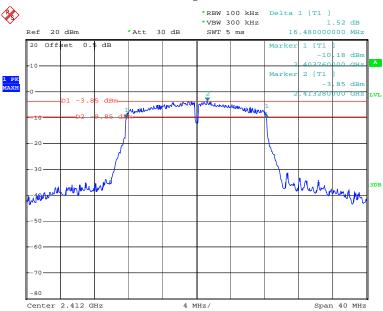


Date: 9.MAY.2016 17:15:14

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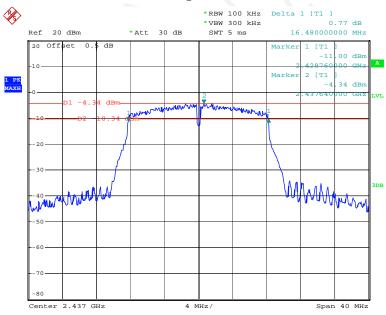
802.11g Low Channel

Report No.: RDG160503006-00A



Date: 9.MAY.2016 17:19:15

802.11g Middle Channel

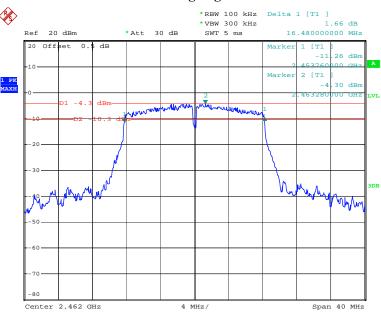


Date: 9.MAY.2016 17:29:45

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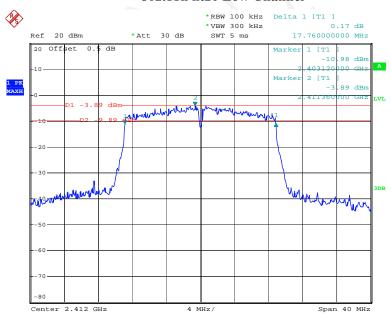
802.11g High Channel

Report No.: RDG160503006-00A



Date: 9.MAY.2016 17:31:13

802.11n ht20 Low Channel

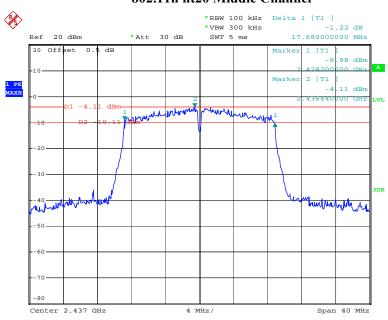


Date: 9.MAY.2016 17:36:43

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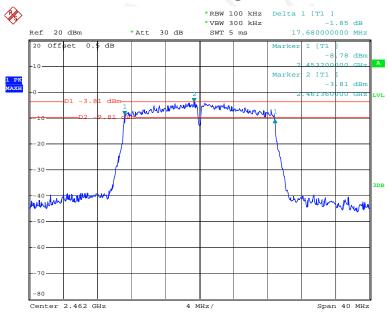
802.11n ht20 Middle Channel

Report No.: RDG160503006-00A



Date: 9.MAY.2016 17:39:03

802.11n ht20 High Channel

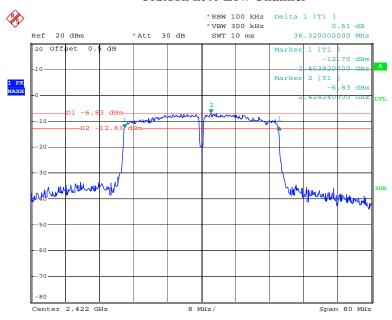


Date: 9.MAY.2016 17:41:16

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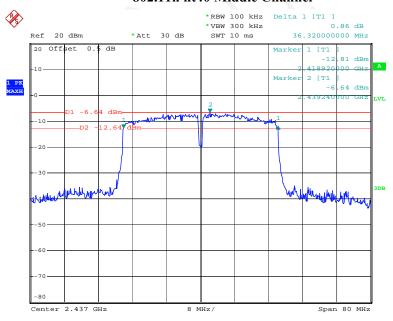
802.11n ht40 Low Channel

Report No.: RDG160503006-00A



Date: 9.MAY.2016 17:52:51

802.11n ht40 Middle Channel

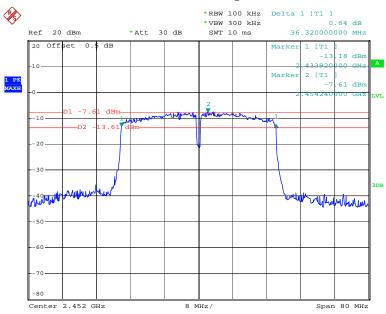


Date: 9.MAY.2016 18:15:56

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802.11n ht40 High Channel

Report No.: RDG160503006-00A



Date: 9.MAY.2016 18:18:38

BLE Low Channel

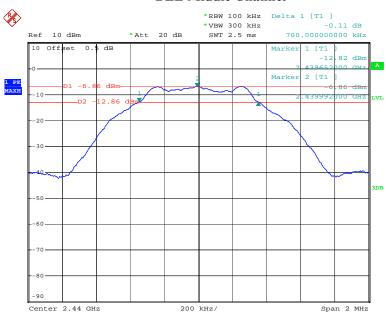


Date: 9.MAY.2016 16:59:33

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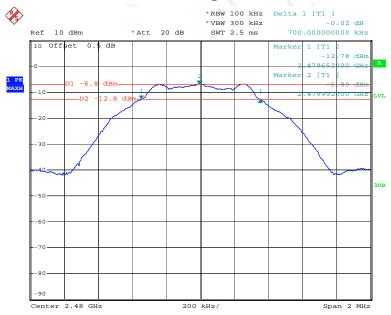
BLE Middle Channel

Report No.: RDG160503006-00A



Date: 9.MAY.2016 17:01:12

BLE High Channel



Date: 9.MAY.2016 17:02:14

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FCC §15.247(b) (3) - MAXIMUM CONDUCTED OUTPUT POWER

Applicable Standard

According to FCC §15.247(b) (3), for systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

Report No.: RDG160503006-00A

Test Procedure

- 1. Place the EUT on a bench and set it in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to test equipment.
- 3. Add a correction factor to the display.



Test Equipment List and Details

	Am				
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	Wideband Power Sensor	N1921A	MY54210016	2015-11-03	2016-11-03
Agilent	Wideband Power Sensor	N1921A	MY54170013	2015-11-03	2016-11-03
Agilent	P-Series Power Meter	N1912A	MY5000448	2015-11-03	2016-11-03
N/A	Coaxial Cable	0.1m	N/A	2016-05-06	2017-05-06
E-Microwave	DC Blocking	EMDCB- 00036	0E01201047	2016-05-06	2017-05-06

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

Temperature:	26.4°C
Relative Humidity:	50 %
ATM Pressure:	100.4 kPa

^{*} The testing was performed by Rocky Xiao on 2016-05-09.

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Test Mode: Transmitting

Test Result: Compliant. Please refer to the following table.

Test mode	Channel	Frequency	Max Peak Conducted Output Power	Max Conducted Average Output Power	Limit
		(MHz)	(dBm)	(dBm)	(dBm)
	Low	2412	14.72	13.74	30
802.11b	Middle	2437	13.97	13.03	30
	High	2462	14.18	13.2	30
	Low	2412	16.5	12.99	30
802.11g	Middle	2437	15.78	12.58	30
	High	2462	15.93	12.55	30
	Low	2412	16.1	12.47	30
802.11n20	Middle	2437	15.89	12.37	30
	High	2462	16.07	12.56	30
	Low	2422	17.66	11.37	30
802.11n40	Middle	2437	17.59	11.31	30
	High	2452	17.18	10.94	30
	Low	2402	-6.02		30
BLE	Middle	2440	-5.9	1	30
	High	2480	-5.84	1	30

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FCC §15.247(d) – 100 kHz BANDWIDTH OF FREQUENCY BAND EDGE

Report No.: RDG160503006-00A

Applicable Standard

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

Test Procedure

- 1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- 2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
- 3. Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
- 4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
- 5. Repeat above procedures until all measured frequencies were complete.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSP 38	100478	2015-11-23	2016-11-22
N/A	Coaxial Cable	0.1m	N/A	2016-05-06	2017-05-06
E-Microwave	DC Blocking	EMDCB-00036	0E01201047	2016-05-06	2017-05-06

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

Temperature:	26.4°C
Relative Humidity:	50 %
ATM Pressure:	100.4 kPa

^{*} The testing was performed by Rocky Xiao on 2016-05-09.

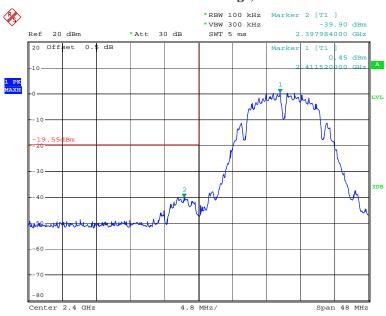
Test mode: Transmitting

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Test Result: Compliant. Please refer to following plots.

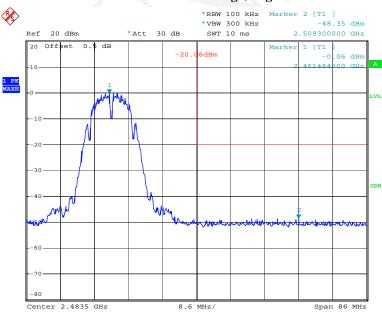
802.11b: Band Edge, Left Side

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Date: 9.MAY.2016 17:11:32

802.11b: Band Edge, Right Side

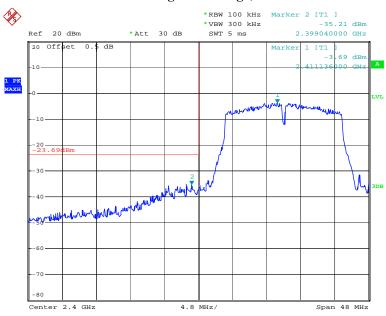


Date: 9.MAY.2016 17:16:55

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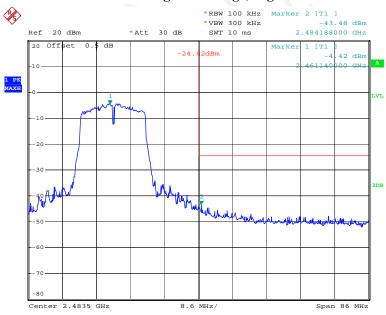
802.11g: Band Edge, Left Side

Report No.: RDG160503006-00A



Date: 9.MAY.2016 17:20:18

802.11g: Band Edge, Right Side

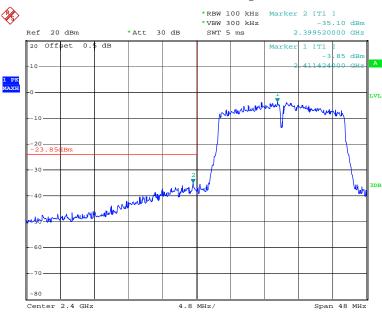


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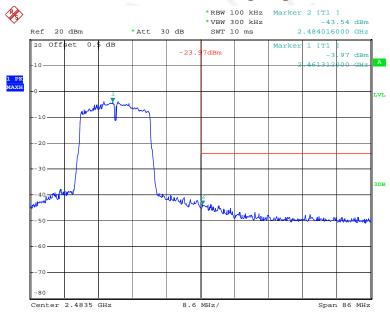
802.11n ht20 Band Edge, Left Side

Report No.: RDG160503006-00A



Date: 9.MAY.2016 17:38:24

802.11n ht20 Band Edge, Right Side

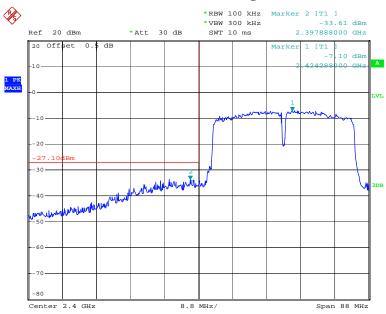


Date: 9.MAY.2016 17:43:18

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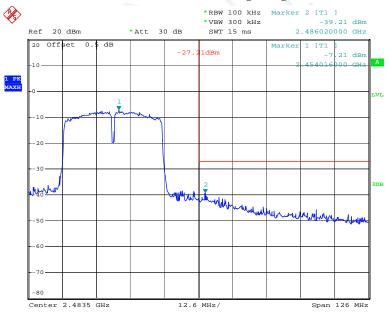
802.11n ht40 Band Edge, Left Side

Report No.: RDG160503006-00A



Date: 9.MAY.2016 17:54:52

802.11n ht40 Band Edge, Right Side

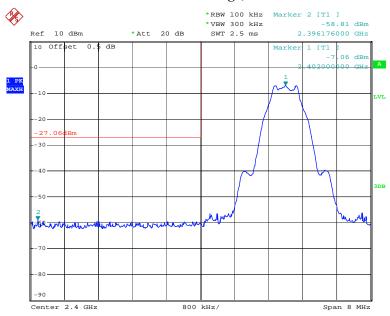


Date: 9.MAY.2016 18:20:44

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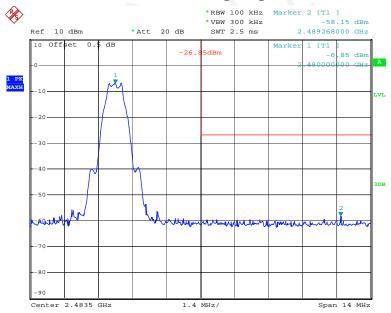
BLE Band Edge, Left Side

Report No.: RDG160503006-00A



Date: 9.MAY.2016 17:00:35

BLE Band Edge, Right Side



Date: 9.MAY.2016 17:03:08

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FCC §15.247(e) - POWER SPECTRAL DENSITY

Applicable Standard

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

Report No.: RDG160503006-00A

Test Procedure

- a) Set analyzer center frequency to DTS channel center frequency.
- b) Set the span to 1.5 times the DTS bandwidth.
- c) Set the RBW to: $3 \text{ kHz} \le \text{RBW} \le 100 \text{ kHz}$.
- d) Set the VBW $\geq 3 \times RBW$.
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = \max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level within the RBW.
- j) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSP 38	100478	2015-11-23	2016-11-22
N/A	Coaxial Cable	0.1m	N/A	2016-05-06	2017-05-06
E-Microwave	DC Blocking	EMDCB- 00036	0E01201047	2016-05-06	2017-05-06

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

Temperature:	26.4 °C
Relative Humidity:	50 %
ATM Pressure:	100.4 kPa

^{*} The testing was performed by Rocky Xiao on 2016-05-09.

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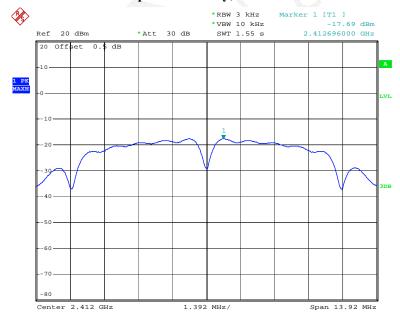
Test Mode: Transmitting

Test Result: Compliant. Please refer to the following table and plots

Test mode	Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)
802.11b	Low	2412	-17.69	≪8
	Middle	2437	-18.43	≤8
	High	2462	-18.23	≤8
802.11g	Low	2412	-17.39	≪8
	Middle	2437	-17.89	≪8
	High	2462	-18.36	≪8
802.11n20	Low	2412	-18.17	≤8
	Middle	2437	-17.98	≤8
	High	2462	-18.12	≤8
802.11n40	Low	2422	-18.85	€8
	Middle	2437	-19.72	€8
	High	2452	-18.82	≪8
BLE	Low	2402	-21.72	≤8
	Middle	2440	-21.64	€8
	High	2480	-21.51	≪8

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Power Spectral Density, 802.11b Low Channel

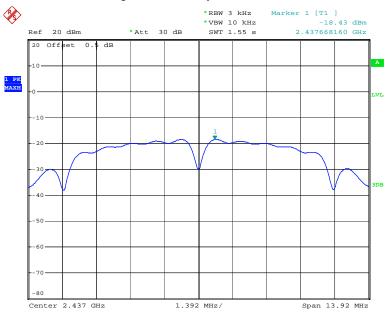


Date: 9.MAY.2016 17:11:09

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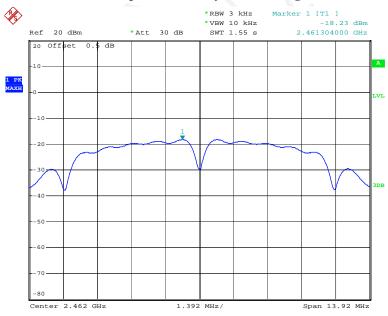
Power Spectral Density, 802.11b Middle Channel

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Date: 9.MAY.2016 17:14:01

Power Spectral Density, 802.11b High Channel

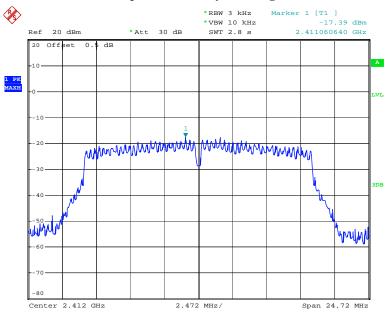


Date: 9.MAY.2016 17:16:31

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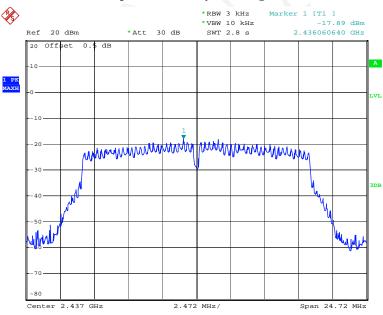
Power Spectral Density, 802.11g Low Channel

Report No.: RDG160503006-00A



Date: 9.MAY.2016 17:20:00

Power Spectral Density, 802.11g Middle Channel

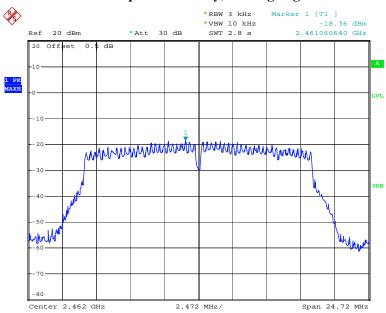


Date: 9.MAY.2016 17:30:35

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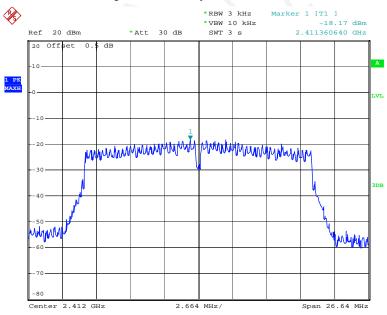
Power Spectral Density, 802.11g High Channel

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Date: 9.MAY.2016 17:32:03

Power Spectral Density, 802.11n ht20 Low Channel

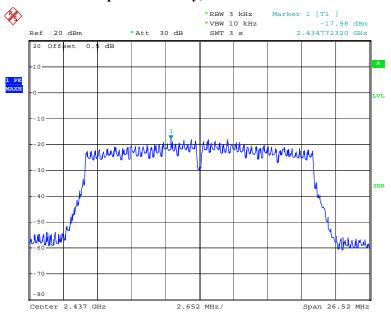


Date: 9.MAY.2016 17:38:06

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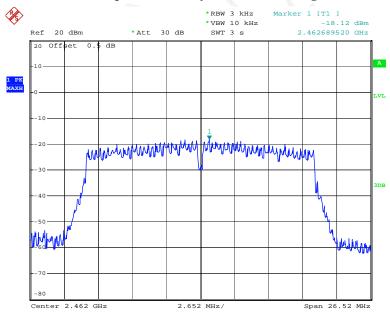
Power Spectral Density, 802.11n ht20 Middle Channel

Report No.: RDG160503006-00A



Date: 9.MAY.2016 17:40:29

Power Spectral Density, 802.11n ht20 High Channel

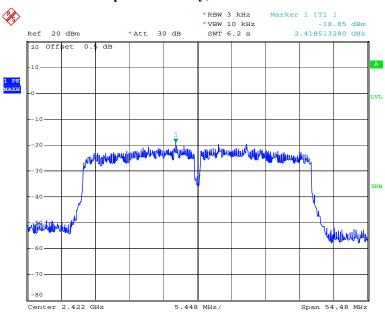


Date: 9.MAY.2016 17:42:37

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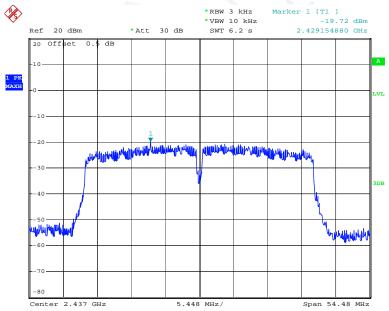
Power Spectral Density, 802.11n ht40 Low Channel

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Date: 9.MAY.2016 17:54:28

Power Spectral Density, 802.11n ht40 Middle Channel

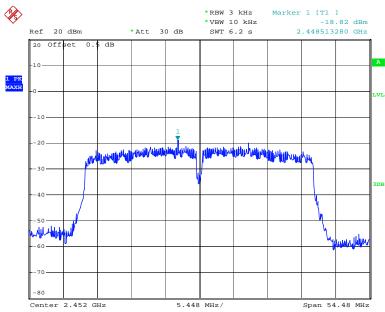


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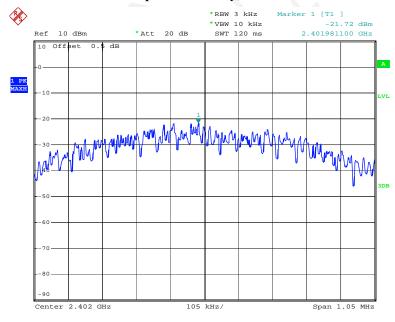
Power Spectral Density, 802.11n ht40 High Channel

Report No.: RDG160503006-00A



Date: 9.MAY.2016 18:20:15

Power Spectral Density, BLE Low Channel

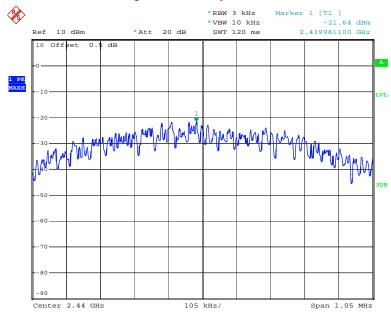


Date: 9.MAY.2016 17:00:10

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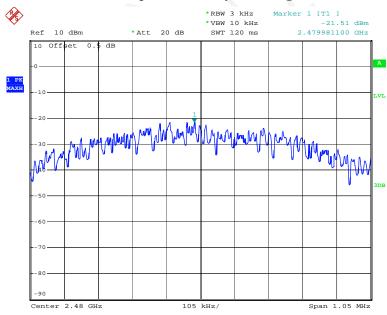
Power Spectral Density, BLE Middle Channel

Report No.: RDG160503006-00A



Date: 9.MAY.2016 17:01:47

Power Spectral Density, BLE High Channel



Date: 9.MAY.2016 17:02:49

***** END OF REPORT *****

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